

Supplemental Table 2: Multivariable adjusted association of patient and hospital characteristics with repurposed medication use

Characteristic	Repurposed Medications				
	Antivirals OR (95% CI)	Corticosteroids OR (95% CI)	Hydroxy- chloroquine OR (95% CI)	Immuno- modulators OR (95% CI)	Therapeutic Dose Anticoagulants OR (95% CI)
Pandemic Stage					
Early: February-June 2020	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
Mid-Late: July 2020-April 2021	3.14 (2.40, 4.10)	5.43 (4.23, 6.97)	0.02 (0.01, 0.04)	0.49 (0.34, 0.70)	1.01 (1.01, 1.02)
Hospital Site					
United States	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
International	0.50 (0.18, 1.40)	1.99 (0.95, 4.18)	6.25 (2.17, 18.00)	0.91 (0.31, 2.72)	1.37 (0.46, 4.06)
Age (per 1 year increase)	1.00 (0.99, 1.00)	1.00 (1.00, 1.01)	1.00 (0.99, 1.01)	1.00 (0.99, 1.01)	1.01 (1.01, 1.02)
Sex					
Male	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
Female	0.89 (0.73, 1.09)	0.85 (0.71, 1.00)	0.87 (0.69, 1.09)	0.78 (0.60, 1.02)	0.74 (0.62, 0.88)
Race					
White	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
Asian	1.00 (0.58, 1.73)	0.87 (0.54, 1.40)	0.69 (0.38, 1.26)	1.11 (0.56, 2.18)	0.86 (0.51, 1.43)
Black or African American	0.94 (0.67, 1.31)	0.98 (0.76, 1.26)	1.08 (0.76, 1.52)	1.12 (0.75, 1.67)	1.24 (0.97, 1.58)
Other Race	1.15 (0.82, 1.62)	1.22 (0.88, 1.70)	0.91 (0.61, 1.37)	1.09 (0.72, 1.65)	1.09 (0.76, 1.54)
Hispanic Ethnicity					
Non-Hispanic	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
Hispanic	1.14 (0.80, 1.62)	1.23 (0.89, 1.70)	1.05 (0.71, 1.56)	1.73 (1.11, 2.68)	1.00 (0.71, 1.41)
Body Mass Index (per 1 kg/m ² increase)	1.02 (1.01, 1.04)	1.03 (1.02, 1.04)	1.02 (1.00, 1.04)	1.03 (1.01, 1.05)	1.02 (1.01, 1.03)
Comorbidities					
Coronary Artery Disease	1.04 (0.75, 1.44)	0.94 (0.73, 1.21)	0.87 (0.61, 1.24)	1.06 (0.69, 1.61)	1.39 (1.08, 1.79)
Congestive Heart Failure	1.17 (0.82, 1.67)	0.77 (0.58, 1.03)	0.52 (0.34, 0.80)	0.80 (0.50, 1.30)	0.97 (0.73, 1.29)
Chronic Pulmonary Disease	1.14 (0.80, 1.64)	2.01 (1.50, 2.70)	1.15 (0.76, 1.73)	1.07 (0.67, 1.73)	1.01 (0.75, 1.35)
Asthma	1.03 (0.71, 1.49)	2.01 (1.47, 2.77)	1.10 (0.73, 1.66)	1.13 (0.71, 1.82)	1.06 (0.76, 1.46)
Chronic Kidney Disease	0.63 (0.45, 0.88)	0.89 (0.67, 1.16)	1.16 (0.80, 1.70)	1.13 (0.72, 1.76)	1.04 (0.79, 1.36)
Chronic Dialysis	0.55 (0.24, 1.26)	0.68 (0.41, 1.12)	1.77 (0.93, 3.37)	0.54 (0.23, 1.28)	0.86 (0.53, 1.40)
Diabetes	1.15 (0.93, 1.42)	0.98 (0.82, 1.17)	0.94 (0.74, 1.19)	0.93 (0.70, 1.22)	1.11 (0.92, 1.33)
Liver Disease	1.64 (0.86, 3.13)	1.04 (0.58, 1.85)	1.23 (0.61, 2.51)	0.62 (0.25, 1.56)	1.21 (0.69, 2.12)
HIV/AIDS	2.48 (1.15, 5.32)	1.80 (0.89, 3.64)	1.06 (0.45, 2.49)	0.63 (0.23, 1.75)	0.61 (0.27, 1.37)
Tobacco Use					
Current Smoker	0.69 (0.44, 1.09)	0.83 (0.58, 1.20)	0.82 (0.51, 1.33)	0.55 (0.31, 0.99)	1.25 (0.87, 1.79)
Former Smoker	1.08 (0.83, 1.39)	0.98 (0.78, 1.22)	1.18 (0.88, 1.57)	0.87 (0.62, 1.20)	1.25 (1.01, 1.56)
Admission Code Status: Full Code	1.75 (1.14, 2.69)	1.34 (0.93, 1.93)	1.20 (0.74, 1.95)	1.38 (0.73, 2.60)	0.76 (0.54, 1.07)
Admission SOFA Score (per 1 score increase)	0.99 (0.95, 1.02)	1.07 (1.04, 1.11)	0.91 (0.87, 0.95)	0.93 (0.89, 0.97)	1.03 (0.99, 1.06)
ICU Admission	2.03 (1.54, 2.67)	2.56 (2.04, 3.20)	2.19 (1.56, 3.08)	7.49 (4.56, 12.31)	1.44 (1.14, 1.81)

* Abbreviations: OR = Odds ratio; CI = Confidence interval; HIV/AIDS = Human Immunodeficiency Virus/Acquired Immunodeficiency Syndrome; SOFA = Sequential organ failure assessment; ICU = Intensive care unit